IN THE CLAIMS:

Claims 2 through 29, 31, and 32 have been amended herein. Claims 33 and 34 have been added. All of the pending claims 1 through 34 are presented below. This listing of claims will replace all prior versions and listings of claims in the application. Please enter these claims as amended.

Listing of the Claims:

1. (Original) A method for the purification of a virus from a host cell, said method comprising in the given order the steps of:

a) culturing host cells that are infected with a virus,

b) adding nuclease to the cell culture, and

c) lysing said host cells to provide a lysate comprising the virus.

2. (Currently Amended) ~~A method~~ The method according to claim 1, said method further comprising:

d) clarification of the lysate.

3. (Currently Amended) ~~A method~~ The method according to claim 1 ~~or claim 2~~, said method further comprising:

e) ~~further~~ purifying the virus with at least one chromatography step.

4. (Currently Amended) ~~A method~~ The method according to ~~any one of claims 1-3~~ claim 1, wherein said virus is a recombinant adenovirus.

5. (Currently Amended) ~~A method~~ The method A method according to ~~any one of claims 1-4~~ claim 1, wherein the nuclease of step b) is ~~Benzonase~~BENZONASE®.

6. (Currently Amended) ~~A method~~ The method according to ~~any one of claims 1-5~~ claim 1, wherein step c) of lysing the host cells is performed with a detergent.

7. (Currently Amended) ~~A method~~ The method according to claim 6, wherein the detergent is ~~Triton X100~~ TRITON® X-100.

8. (Currently Amended) ~~A method~~ The method according to ~~any one of claims 2-7~~ claim 2, wherein step d) comprises depth filtration and membrane filtration.

9. (Currently Amended) ~~A method~~ The method according to claim 8, wherein the membrane filtration is performed using a combination of 0.8µm and 0.45 µm filters.

10. (Currently Amended) ~~A method~~ The method according to ~~any one of claims 3-9~~ claim 3, wherein prior to step e) the clarified lysate is subjected to ultrafiltration and/or diafiltration.

11. (Currently Amended) ~~A method~~ The method according to claim 10, wherein the clarified lysate that is subjected to diafiltration is exchanged against a solution comprising 0.8-2.0 M NaCl, preferably about 1 M NaCl, or another salt providing an equivalent ionic strength.

12. (Currently Amended) ~~A method~~ The method according to ~~any one of claims 4-11~~ claim 3, wherein step e) comprises anion exchange chromatography.

13. (Currently Amended) ~~A method~~ The method according to claim 12, wherein said anion exchange chromatography is performed using a charged filter comprising anion exchange groups.

14. (Currently Amended) ~~A method~~ The method according to ~~any one of claims 4-13~~ claim 3, wherein step e) comprises size exclusion chromatography.

15. (Currently Amended) ~~A method~~ The method according to ~~any one of claims 4-14~~ claim 3, wherein step e) comprises:

e,i) anion exchange chromatography, and

e,ii) size exclusion chromatography.

16. (Currently Amended) ~~A method~~ The method according to claim 15, wherein the mixture containing the recombinant adenovirus is buffer exchanged with a solution comprising at least 2 M NaCl, or another salt providing an equivalent ionic strength, between said steps of anion exchange chromatography and size exclusion chromatography.

17. (Currently Amended) ~~A process~~ The method according to ~~any one of claims 3-9~~ claim 2, wherein ~~the~~ any buffers used in steps d) and subsequent steps are free of detergent, magnesium chloride and sucrose.

18. (Currently Amended) A method for the purification of a virus that is ~~capable of lysing~~ able to lyse host cells, said method comprising the steps of:

a) culturing host cells comprising said virus ~~capable of lysing~~ able to lyse host cells,

b) harvesting virus following their release into culture fluid without addition of an external lysis factor, characterized in that a nuclease is added to the culture before 95% of the host cells has been lysed.

19. (Currently Amended) A method for the production of a virus comprising a nucleic acid sequence coding for a nucleoprotein of a ~~heamorrhagic~~ hemorrhagic fever virus, comprising the steps of:

a) culturing host cells that have been infected with said virus,

b) subjecting said culture of host cells comprising said virus to lysis of the host cells to provide a lysate comprising said virus,

c) subjecting the virus to anion exchange chromatography, characterized in that after anion exchange chromatography the virus containing mixture is buffer exchanged with a solution comprising at least 1 M NaCl, or another salt providing an equivalent ionic strength and/or with a solution comprising at least 1% of a detergent.

20. (Currently Amended) ~~A method~~ The method according to claim 19, wherein the virus containing mixture is buffer exchanged at least once with a solution comprising at least 1 M NaCl, or another salt providing an equivalent ionic strength.

21. (Currently Amended) ~~A method~~ The method according to claim 19~~ or claim 20~~, wherein said virus is a recombinant adenovirus.

22. (Currently Amended) ~~A method~~ The method according to~~ any one of claims 19-21~~claim 19, wherein said ~~heamorrhagic~~ hemorrhagic fever virus is Ebola virus.

23. (Currently Amended) ~~A method~~ The method according to~~ any one of claims 20-22~~claim 20, wherein said solution comprises at least 1.5 M NaCl, or another salt providing an equivalent ionic strength.

24. (Currently Amended) ~~A method~~ The method according to claim 23, wherein said solution comprises at least 2 M NaCl, or another salt providing an equivalent ionic strength.

25. (Currently Amended) ~~A method~~ The method according to claim 24, wherein said solution comprises at least 3 M NaCl, or another salt providing an equivalent ionic strength.

26. (Currently Amended) ~~A method~~ The method according to claim 25, wherein said solution comprises about 5 M NaCl, or another salt providing an equivalent ionic strength.

27. (Currently Amended) ~~A method~~ The method according to ~~any one of claims 19-26~~claim 27, further comprising filtering the virus containing mixture that is buffer exchanged through a hydrophilic filter with a pore size of 1.2 μm or less.

28. (Currently Amended) ~~A method~~ The method according to claim 27, wherein said pore size is about 0.45 μm or about 0.22 μm.

29. (Currently Amended) ~~A method~~ The method according to ~~any one of claims 19-28~~claim 19, further comprising subjecting the virus containing mixture that is buffer exchanged to size exclusion chromatography.

30. (Original) A method for removing free adenovirus proteins from a recombinant adenovirus preparation, comprising the step of: subjecting a recombinant adenovirus preparation comprising free adenovirus proteins to a charged filter that contains anion exchange groups.

31. (Currently Amended) ~~A method~~ The method according to claim 30, wherein said recombinant adenovirus preparation comprises a subgroup B recombinant adenovirus.

32. (Currently Amended) ~~A method~~ The method according to claim 30~~ or claim 31~~, wherein said recombinant adenovirus is an Ad35 recombinant adenovirus.

33. (New) The method according to claim 2, said method further comprising:

e) further purifying the virus with at least one chromatography step.

34. (New) The method according to claim 3, wherein any buffers used in step e) and subsequent steps are free of detergent, magnesium chloride and sucrose.